International application No. PCT/AU2004/001254

A.	CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. 7;	G06F 9/445, G06F 15/16	·				
According to	International Patent Classification (IPC) or to both	national classification and IPC				
в.	FIELDS SEARCHED					
Minimum docu	mentation searched (classification system followed by cl	assification symbols)				
Documentation	searched other than minimum documentation to the exte	nt that such documents are included in the fields search	hed			
USPTO, DW	base consulted during the international search (name of PI, esp@cenet, citeseer: instruction, encode, or	lata base and, where practicable, search terms used) lecode, stub, skeleton, 'virtual machine', byte	code, unicode,			
endian, netw	ork					
C.	DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Relevant to claim No.					
Х	US-2003/0140180-A1 (BROWN et al.) 24 Ju	ıly 2003	8-10, 48, 51			
,	See whole document	•				
x	 EP-0766172-B1 (SUN MICROSYSTEMS, I	NC \ 2 Amil 1997	1-7, 46			
	See Column 10 line 1 to column 15 line 22					
A	US-6578193-B1 (ADAMS) 10 June 2003 See abstract					
	See abstract					
	AND SOOS (SOOS AS GRANDED D. S.	0000				
A	US-2003/0009539-A1 (HATTORI) 9 Januar See abstract	y 2003				
		. •				
X F	I	of Box C X See patent family annu	ex			
		or Box C. [X]				
"A" documen	 Special categories of cited documents: "A" document defining the general state of the art which is "T" later document published after the international filing date or priority date and not in not considered to be of particular relevance conflict with the application but cited to understand the principle or theory 					
	underlying the invention					
	international filing date or cannot be considered to involve an inventive step when the document is taken alone					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of involve an inventive step when the document is combined with one or more other statement of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other						
"O" documen	another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "&" document member of the same patent family					
"P" documen	t published prior to the international filing date than the priority date claimed					
	al completion of the international search	Date of mailing of the international search report	2 2 DEC 2004			
1 December						
	ng address of the ISA/AU PATENT OFFICE	Authorized officer				
PO BOX 200, V	VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au	MICHAEL HARDY				
Facsimile No. (Telephone No : (02) 6283 2547				
· · · · · · · · · · · · · · · · · · ·						

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Category*	on). DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to
Category.	Citation of document, with indication, where appropriate, of the relevant passages	claim No.
A	US-6421733-B1 (TSO et al.) 16 July 2002 See whole document	
A	WO-1998/006034-A1 (GENERAL MAGIC, INC.) 12 February 1998 See whole document	
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•		·
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Box I	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This reaso		ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.		Claims Nos.:
		because they relate to subject matter not required to be searched by this Authority, namely:
		·
	•	
2.	\Box	Claims Nos.:
ļ ⁻	ш	because they relate to parts of the international application that do not comply with the prescribed requirements to such
		an extent that no meaningful international search can be carried out, specifically:
	•	
3.		Claims Nos.:
		because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box l	ło. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This I	nterna	tional Searching Authority found multiple inventions in this international application, as follows:
		plemental Box
		·
		j
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.		As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 to 10 and 46, *and claims 48 and 51 in so far as they are appended to claims 8 to 10 only
Rema	rk on	Protest
		No protest accompanied the payment of additional search fees.

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Supplemental Box (To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

Lack of unity of invention; overview of the inventions claimed:

Group (1): Claims 1 to 10 and 46 relate to a network, method and architecture for communicating instructions between at least two devices wherein selection means is provided for selecting an encoding protocol for the instructions from a set of available encoding protocols.

Group (2): Claims 11 to 14 relate to a virtual computer having an object stack or heap and an instruction set.

Group (3): Claims 15 to 18, 49 and 52 relate to a method, apparatus and computer program product for executing an instruction set using a virtual computer wherein the virtual computer is serialised to a data buffer in a first device and then transmitted to a second device.

Group (4): Claims 19 to 45, 47, 50 and 53 relate to a communications format, method, architecture, apparatus and computer program product for providing communications between two devices wherein the format has a first portion representing data and a second portion representing metadata.

*Claims 48 and 51 also relate to the invention of Group (1) in so far as they are appended to claims 8 to 10 and relate to the invention of Group (4) in so far as they are appended to claims 32 to 44. A comprehensive search of claims 48 and 51 would necessarily require two separate searches, a search for the invention of Group (1) and a search for the invention of Group (4).

Although all these inventions are applicable to the general field of networked computer systems there is no special technical feature common to all four sets of claims as required by Rule 13.2

Information on patent family members

which are merely given for the purpose of information.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars

Patent Document Cited in Search Report				Pate	nt Family Member		
US	20030140180						
EP	0766172	ЛР	9231076	US	5737607		
US	6578193	US	6141732	US	6356996	US ·	6408384
US	20030009539						
US	6421733	AU	68656/98	BR	9811457	EP-	1012733-
		US	5902846 ⁻	wo	9843177		·
wo	98/06034					•	

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX